



NOAA's National Weather Service

Water Supply Forecast & Summer Outlook

Pacific Northwest Drought Outlook May 4, 2015

Troy Lindquist NWS Boise, ID



Outline



- Precipitation
- Snow
- Water Supply Forecasts
- Seasonal Outlook

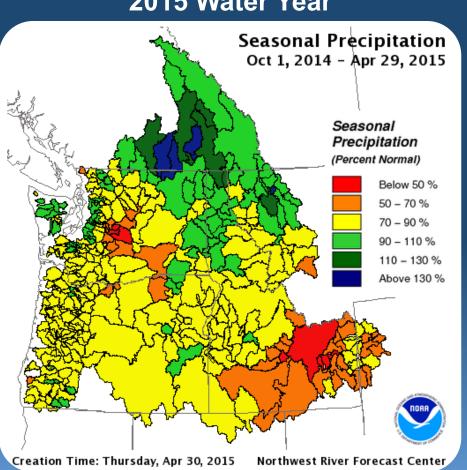




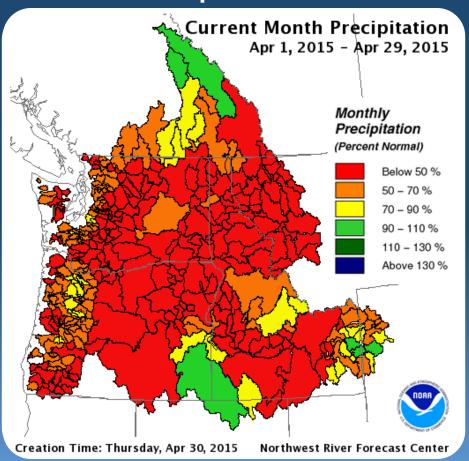
Observed Seasonal Precipitation



2015 Water Year



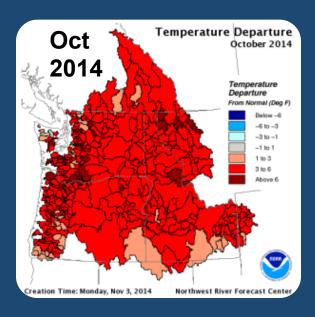
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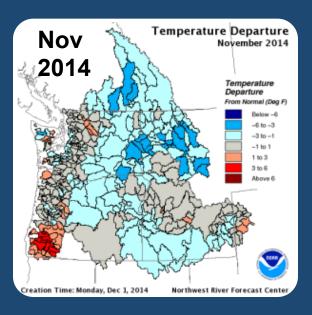


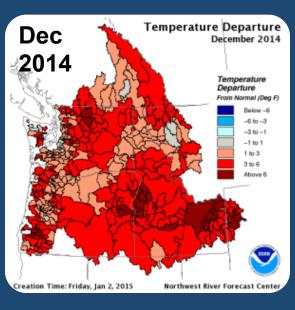


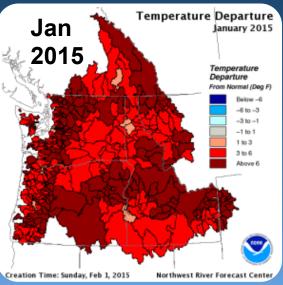
Observed Seasonal Temperatures

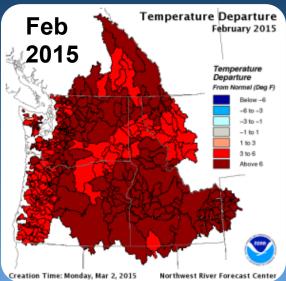


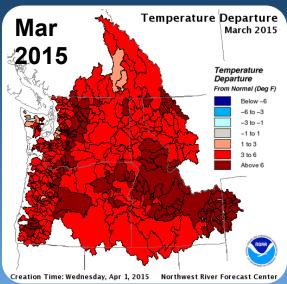






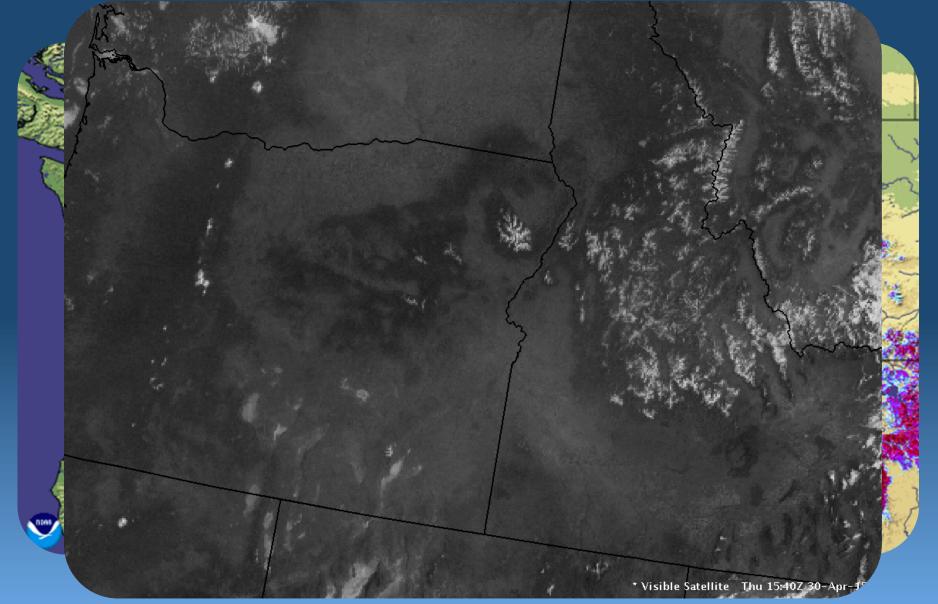






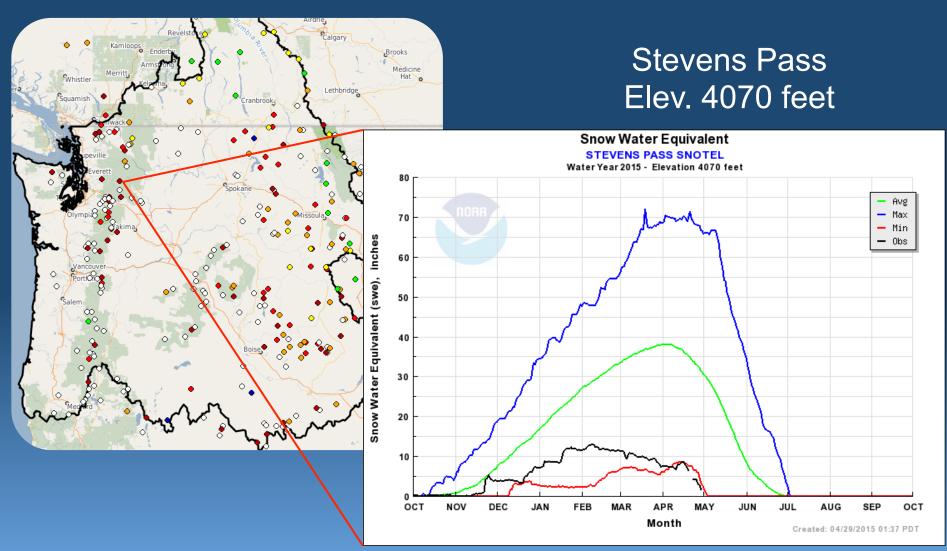










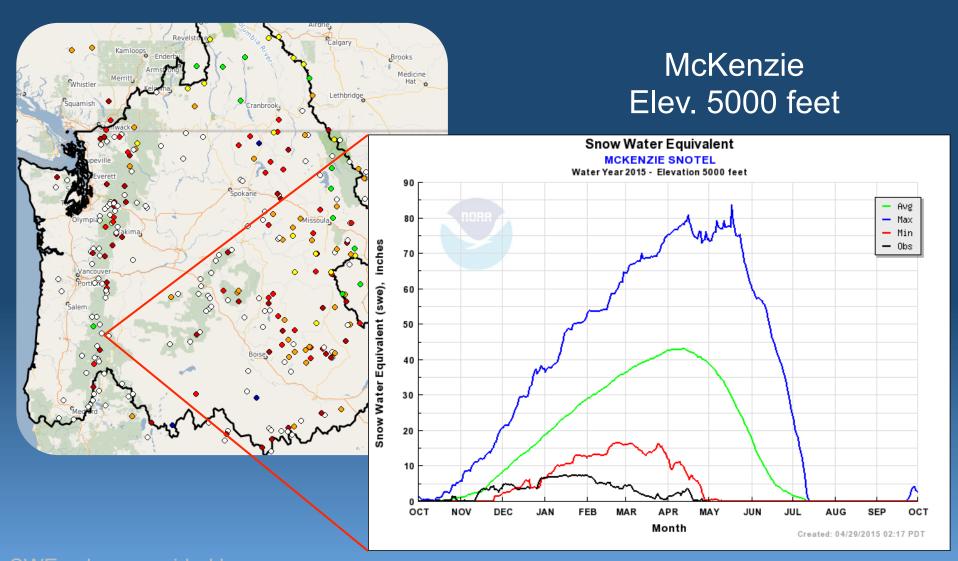


SWE values provided by:
NRCS & Environment Canad

NWRFC: www.nwrfc.noaa.gov



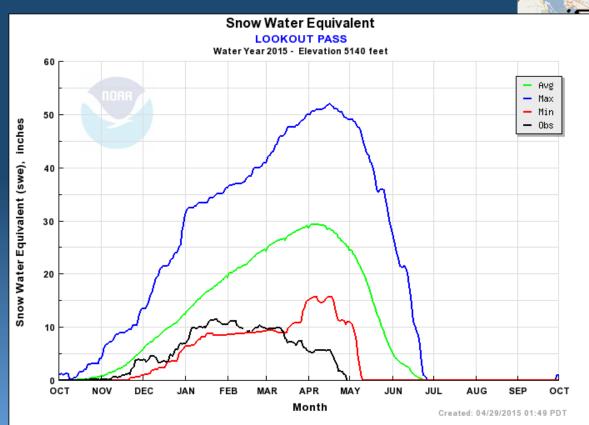


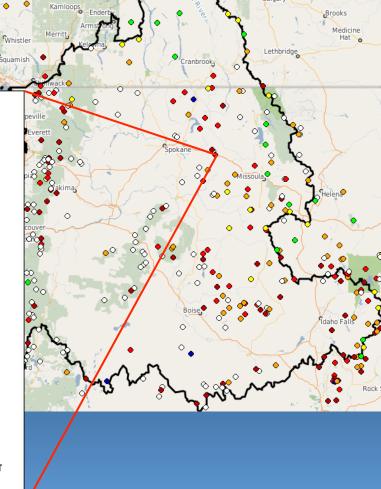






Lookout Pass Elev. 5140 feet



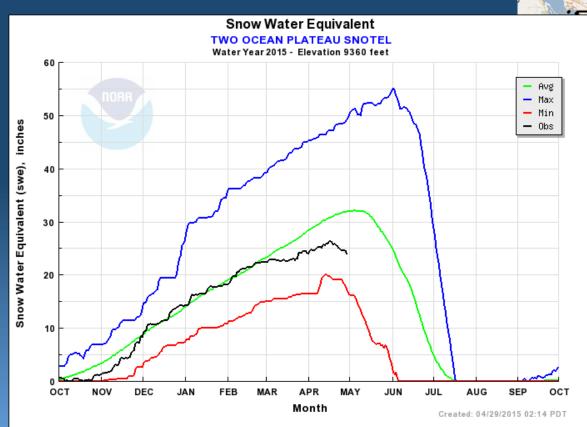


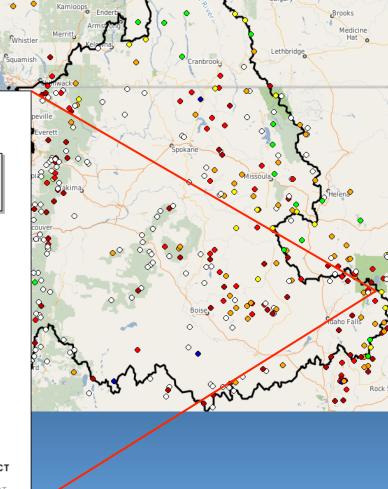
SWE values provided by:





Two Ocean Plateau Elev. 9360 feet

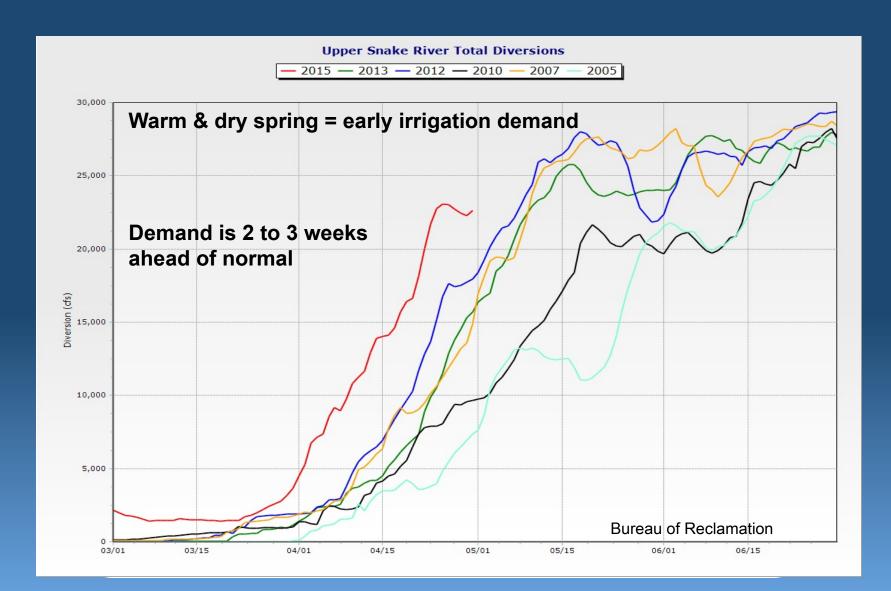






Upper Snake Reservoir System

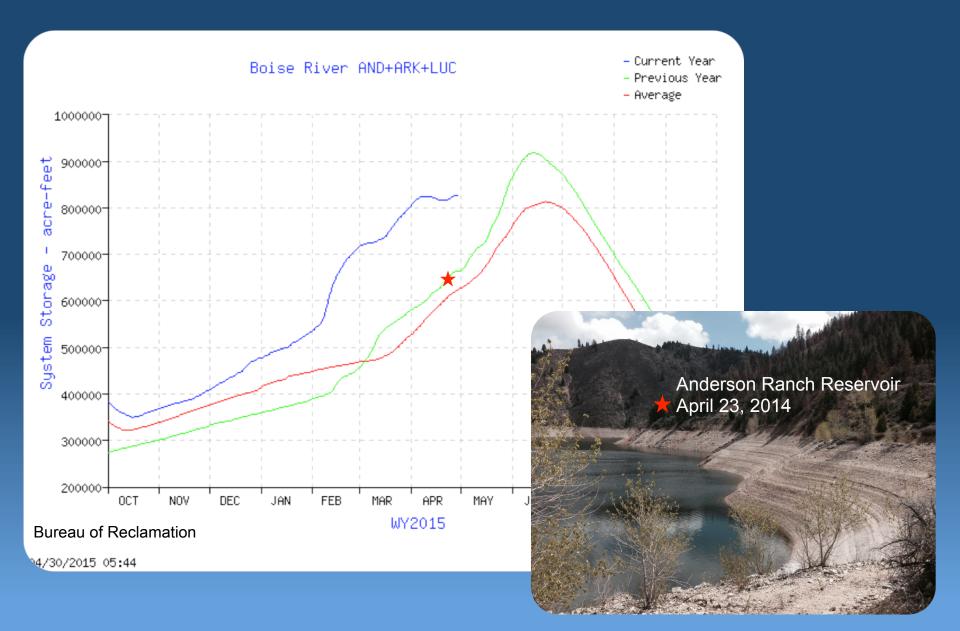






Boise Reservoir System

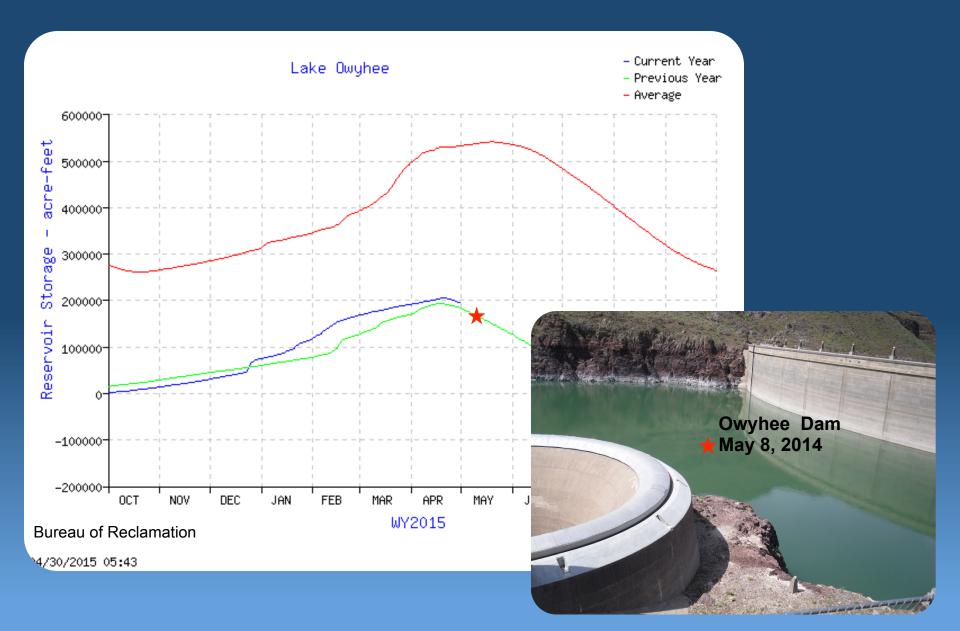






Owyhee Reservoir

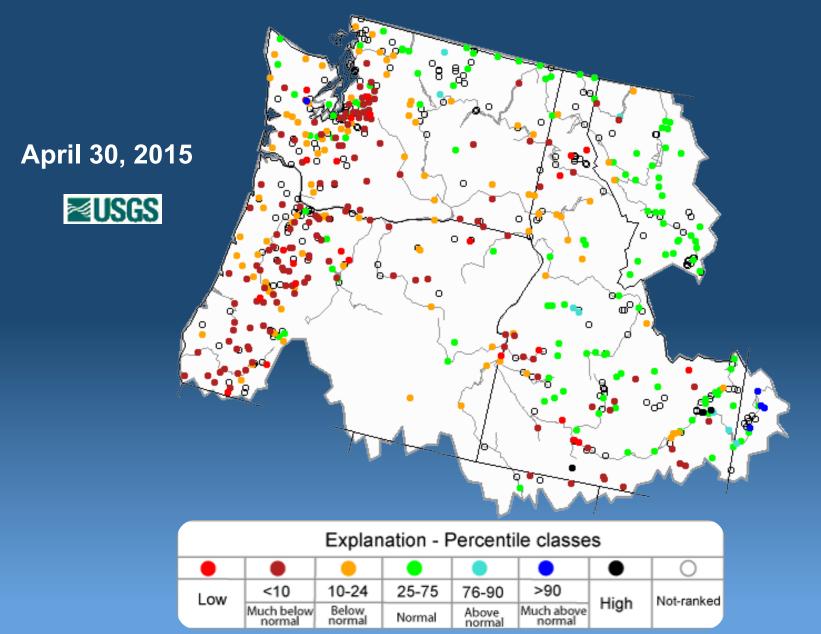






7-Day Average Streamflow

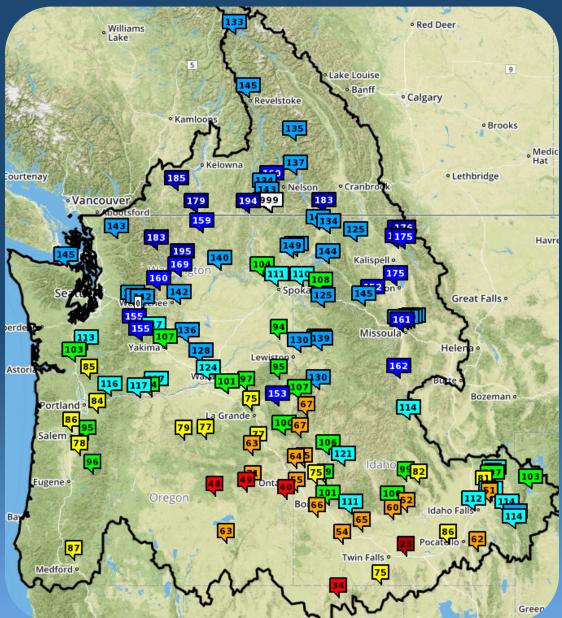




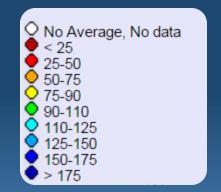


Observed Runoff Conditions





Observed Runoff Period: Oct – Apr 28 (% Avg)

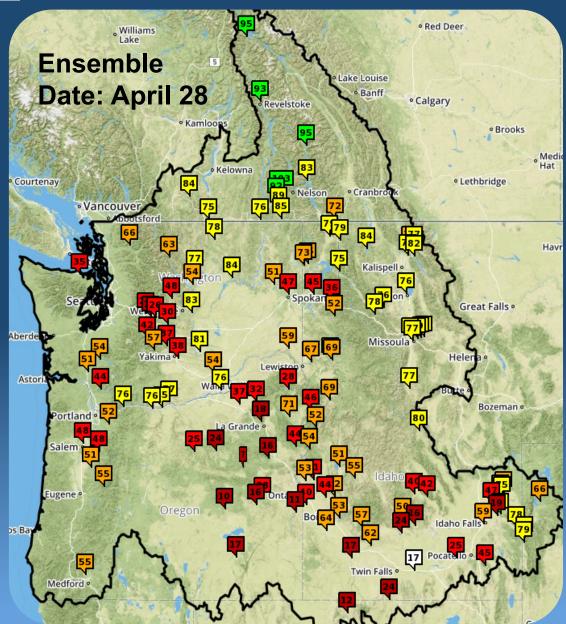


Observed runoff adjusted for changes in upstream storage

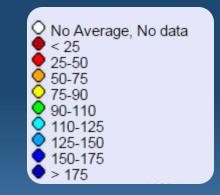
NWRFC: www.nwrfc.noaa.gov





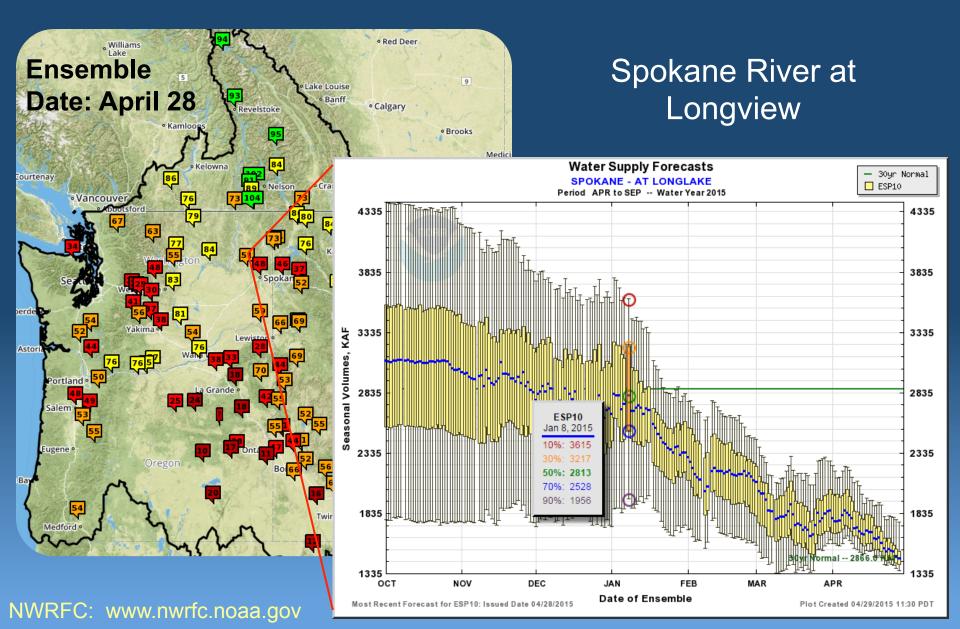


Water Supply Fcst Period: Apr - Sep (% Avg)







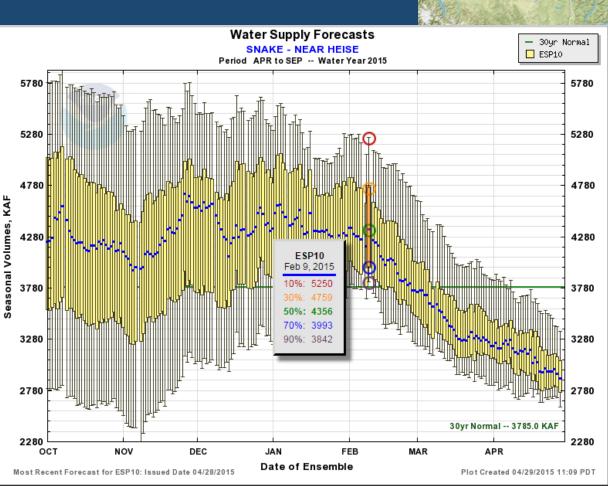


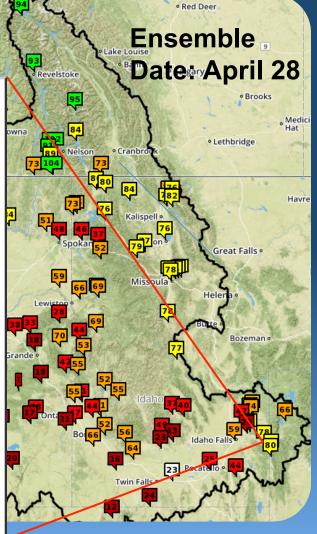


Williams



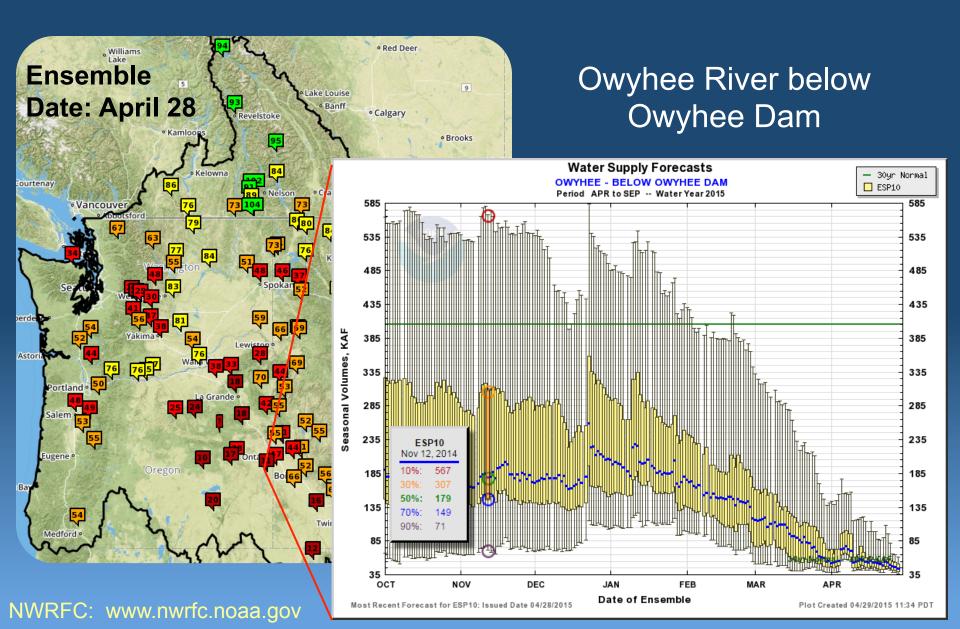






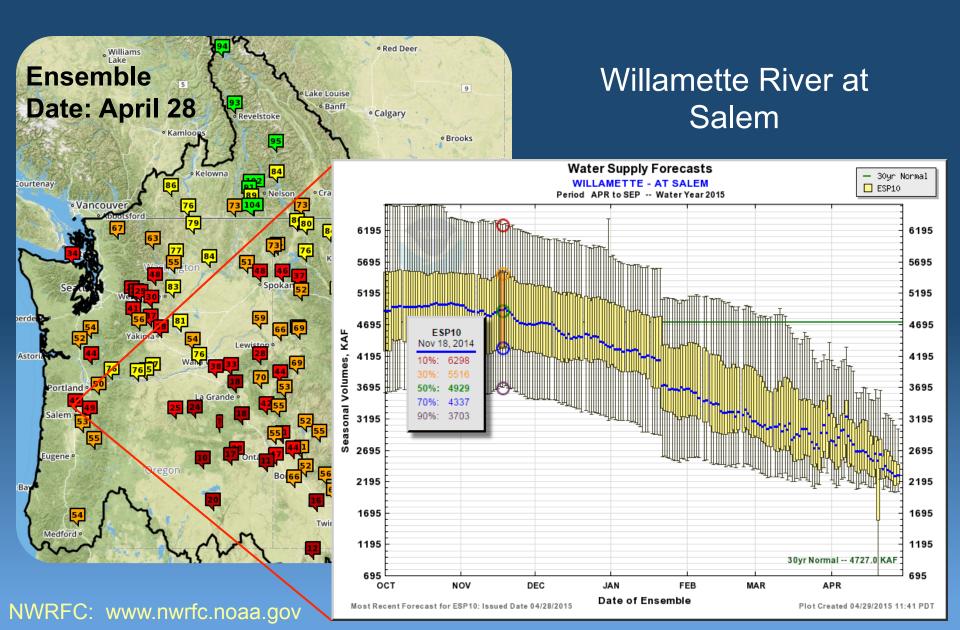














ENSO Status & Summer Outlook



- El Niño conditions are present (El Niño Advisory)
- Positive equatorial sea surface temperature (SST) anomalies continue across most of the Pacific Ocean

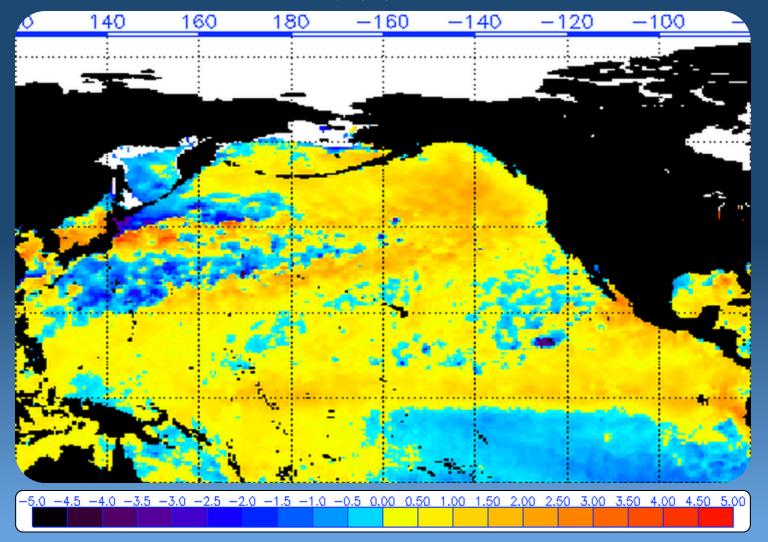
 There is an approximately 70% chance that El Niño conditions will continue through Northern Hemisphere summer 2015, and a greater than 60% chance it will last through autumn



ENSO Status & Summer Outlook



SST Anomaly (C) April 20, 2015

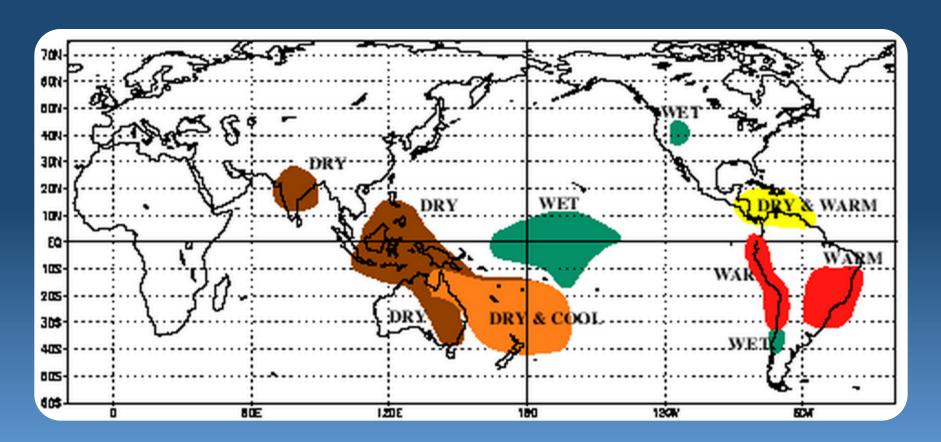




El Niño Summer Impacts



June - August Relationships

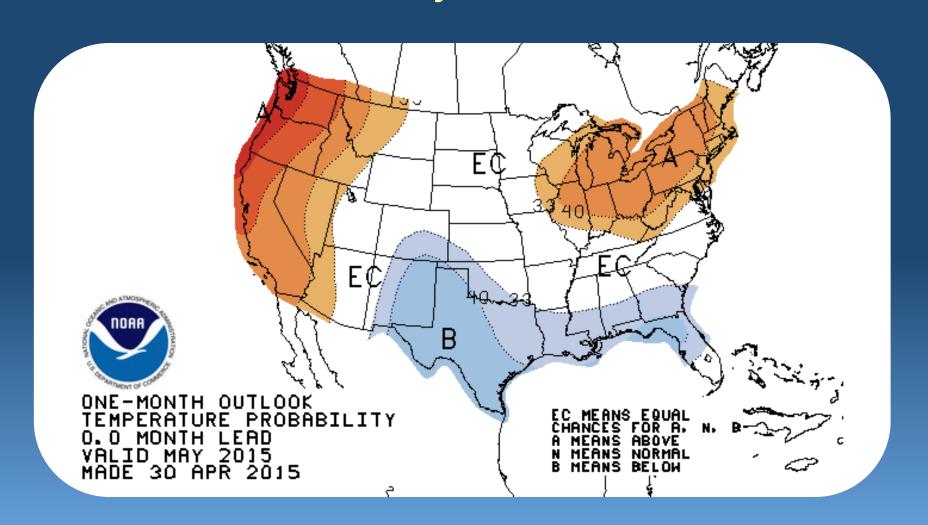




Temperature Outlook



May 2015

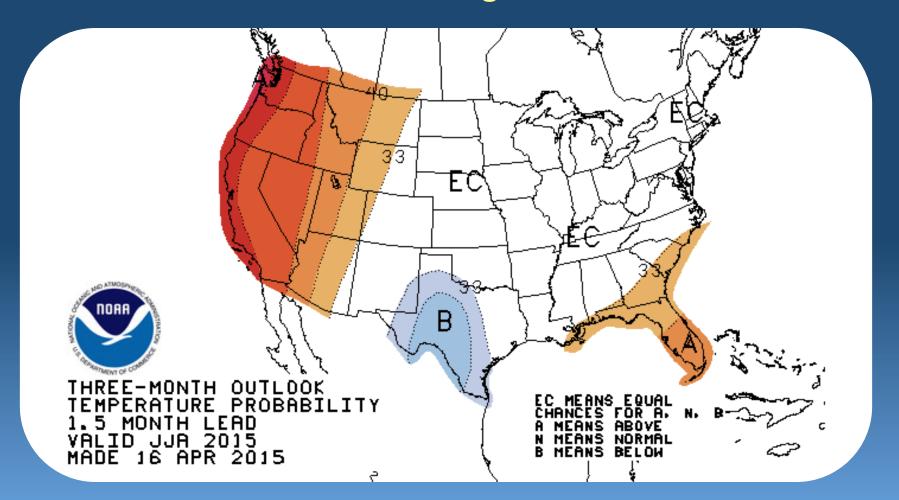




Temperature Outlook



Jun-Jul-Aug 2015

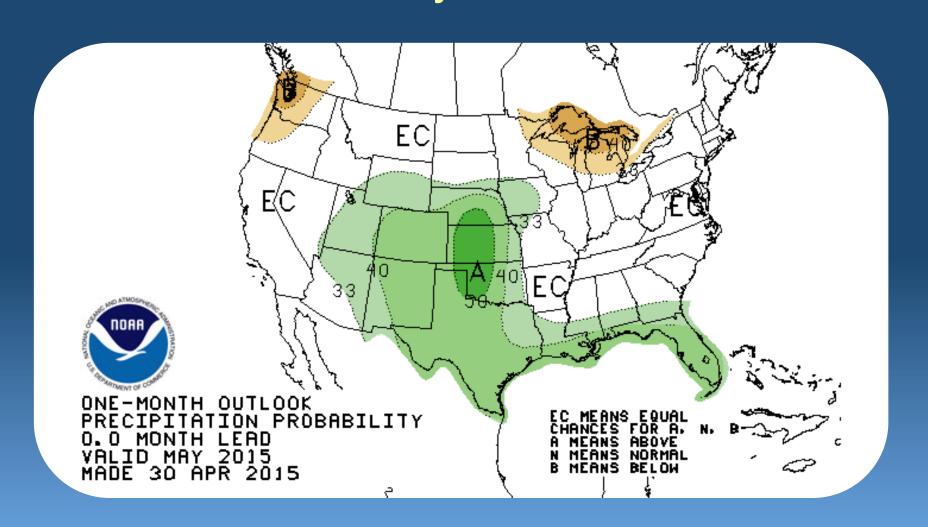




Precipitation Outlook



May 2015

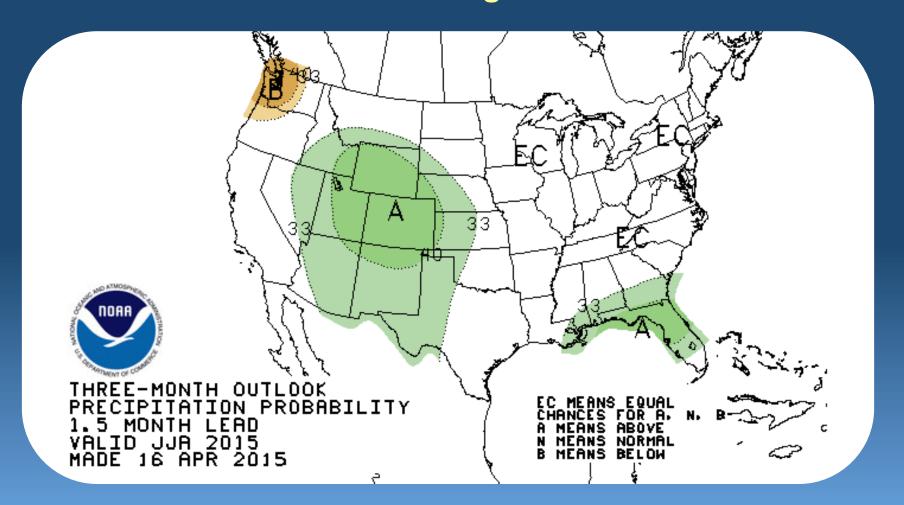




Precipitation Outlook



Jun-Jul-Aug 2015





End





Bruneau River near Hot Springs Sep 12, 2013